

Overall Diagram for Storage Access Service

FIG. 1

Method And System For Time-based Storage Access

Services

Inventor: Masayuki Yamamoto, et al.

Application No.: 09/814,423

User Site	Host Port ID	LDEV ID	Time Zone	Access Schedule
A	Port 1	1	GMT-8	Daily, 8AM-10AM
A	Port 2	2	GMT-8	Saturday, 1AM-5AM
A	Port 3	4	GMT-8	All Day

LDEV Access Schedule Management Table

FIG. 2

User Site	Host Port ID	LDEV ID	Start Time	End Time
A	Port 1	1	01/01/2000 AM08:00	01/01/2000 AM09:45
A	Port 3	4	01/01/2000 AM03:00	01/01/2000 PM03:00
A	Port 3	4	01/02/2000 AM03:00	01/02/2000 PM05:00
A	Port 2	2	01/03/2000 AM01:00	01/03/2000 AM06:00

LDEV Access History Table

FIG. 3

Time Zone	Time and Price List for Storage Access Service					
	0	5 6	11 12	17 18	23	
GMT-12	Price D	Price A	Price B	Price C		
GMT-11	Price D	Price A	Price B	Price C		
GMT	Price A	Price B	Price C	Price D		
GMT+11	Price B	Price C	Price D	Price A		
GMT+12	Price B	Price C	Price D	Price A		

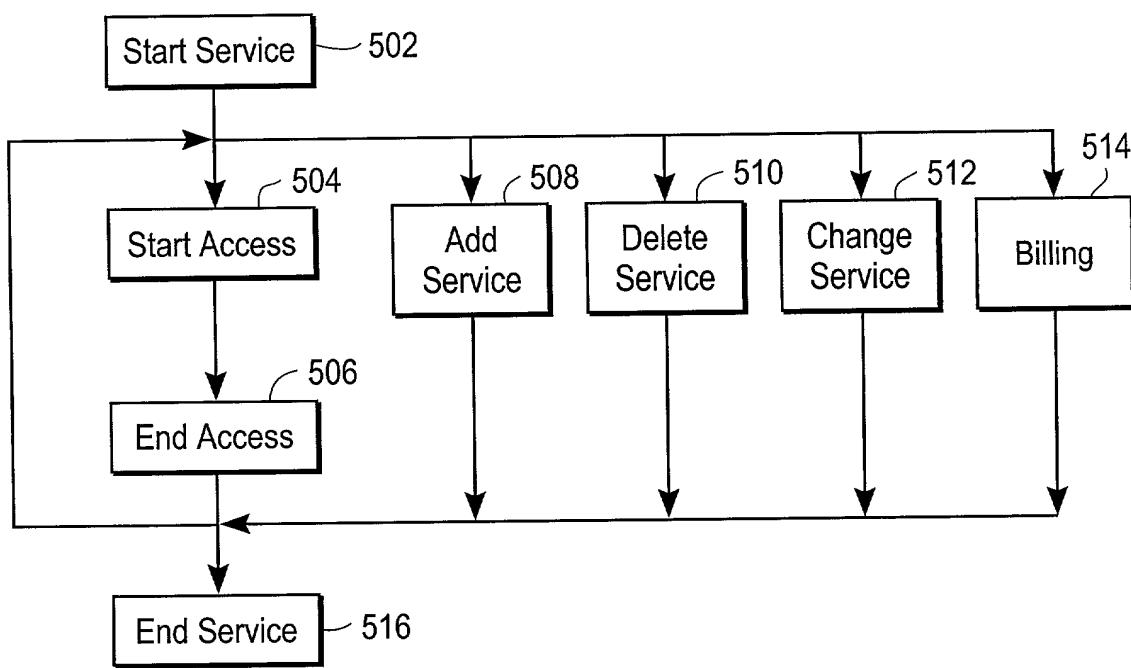
Price List Table

FIG. 4

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Storage Access Service Flow

**FIG. 5**

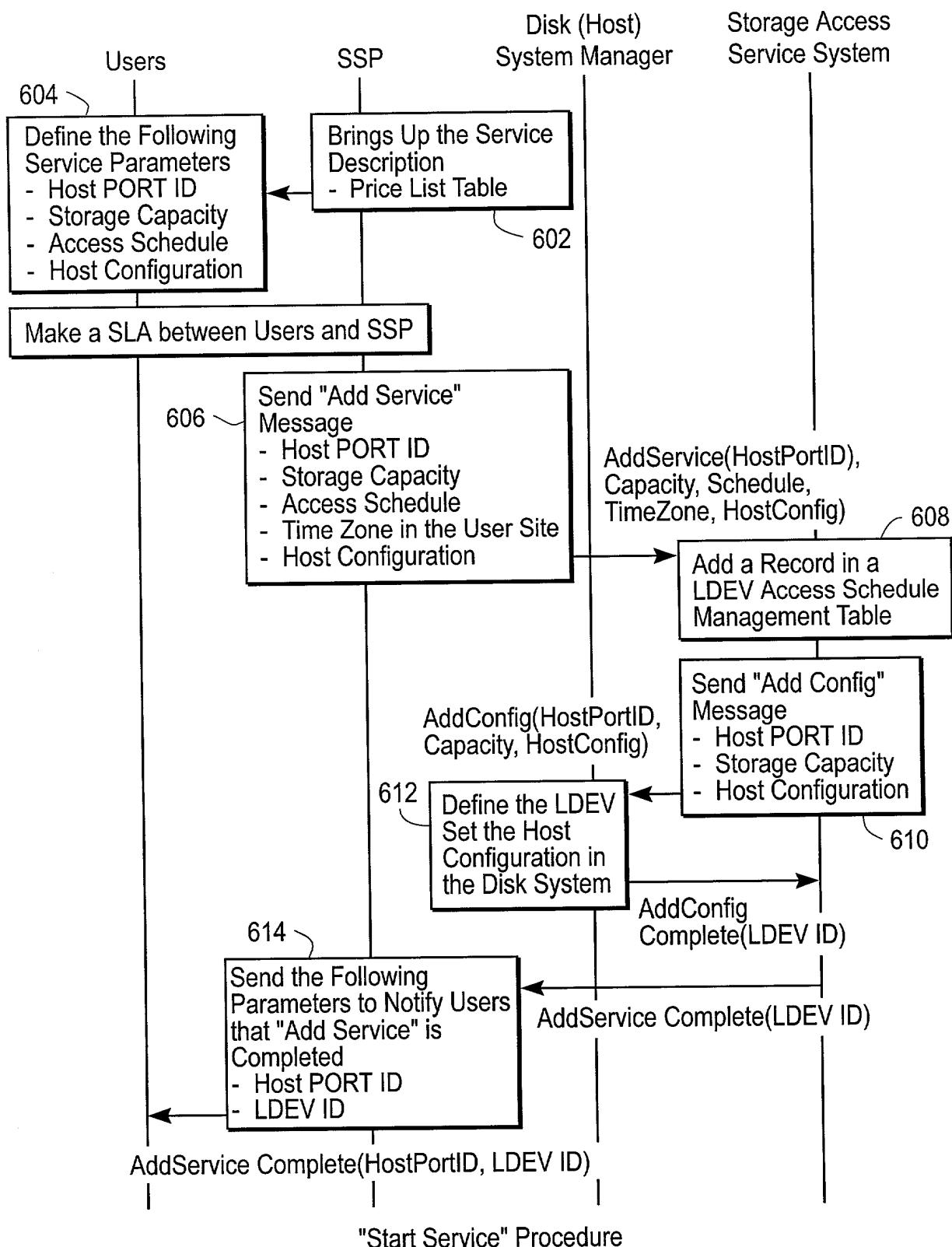
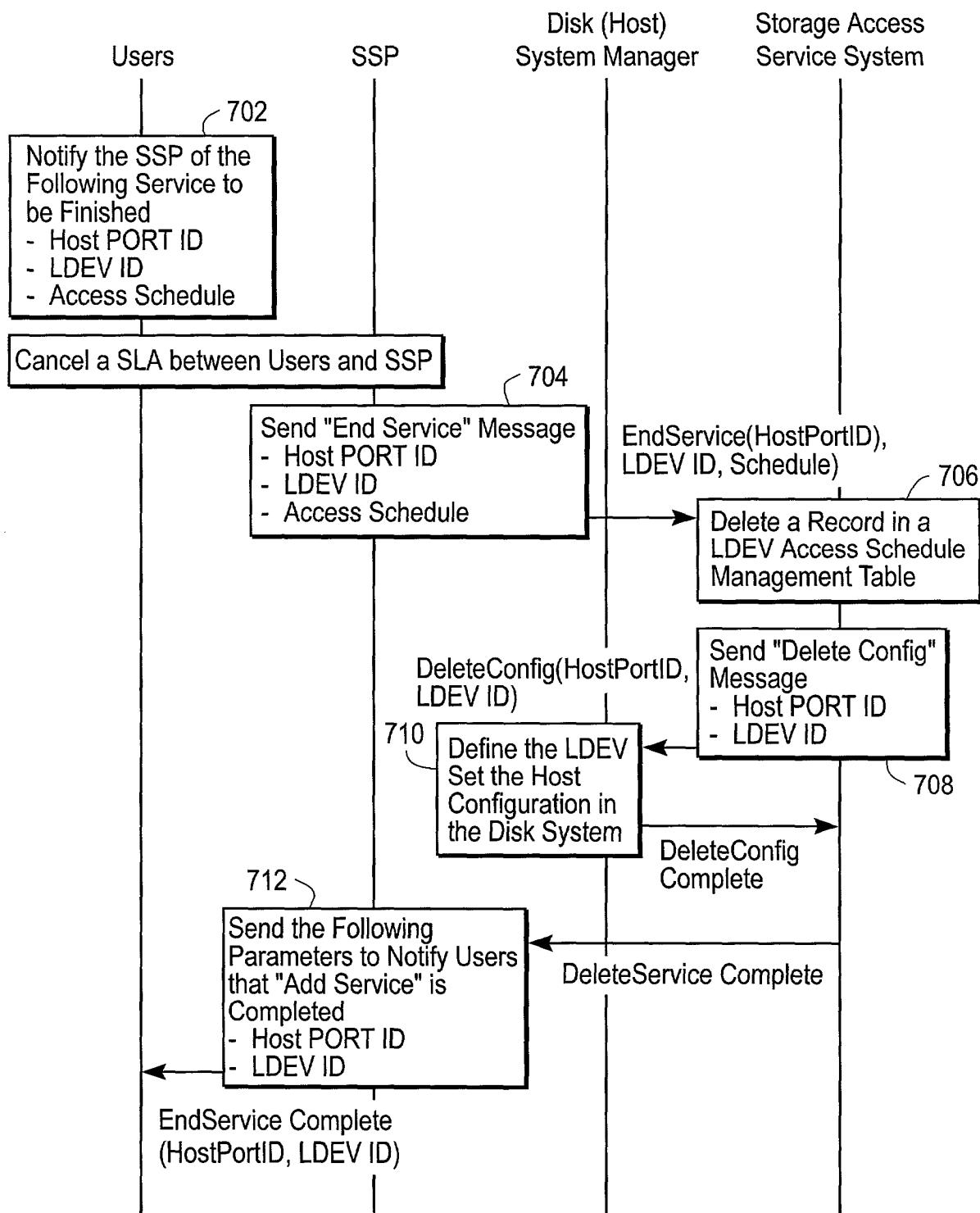
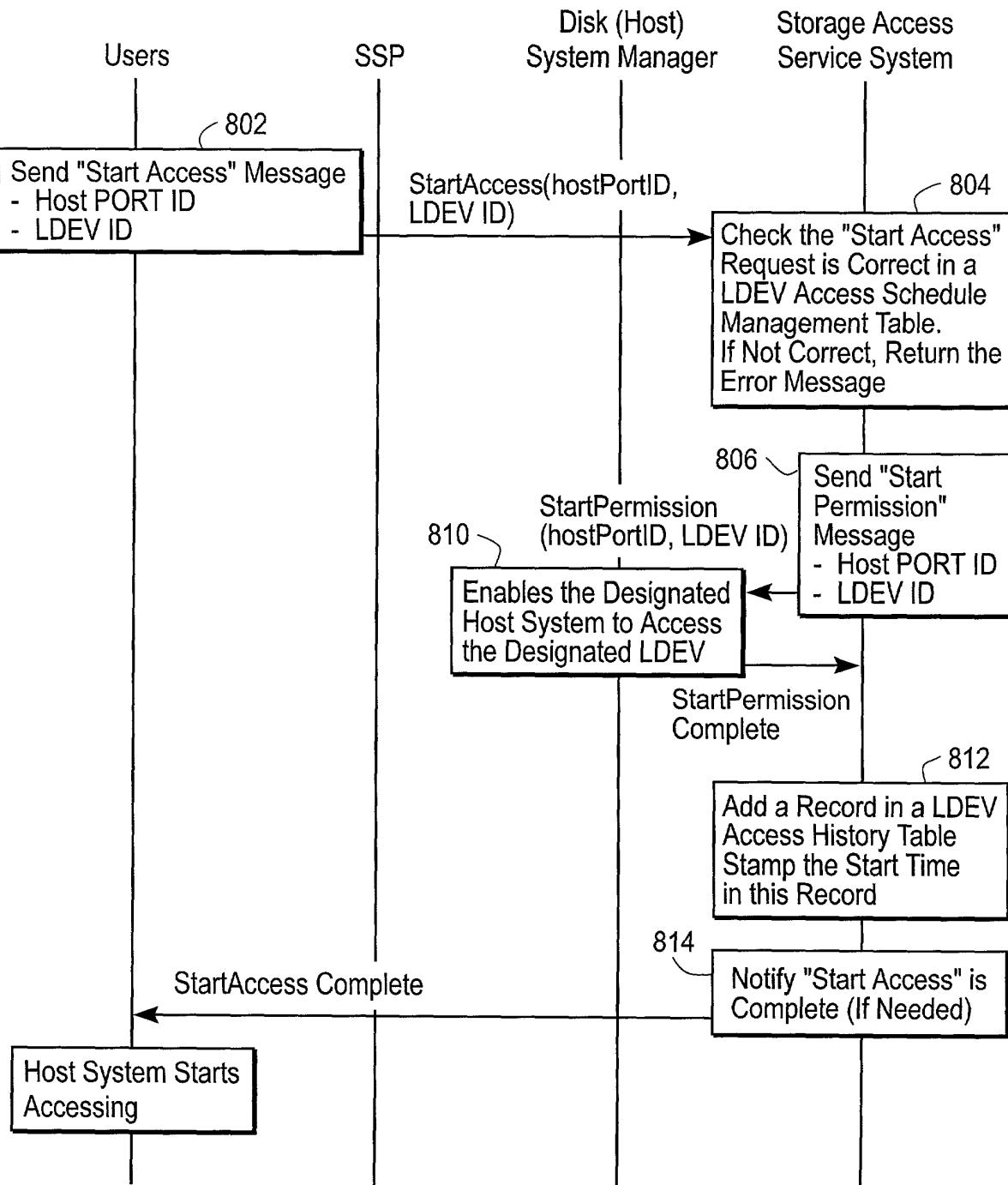


FIG. 6



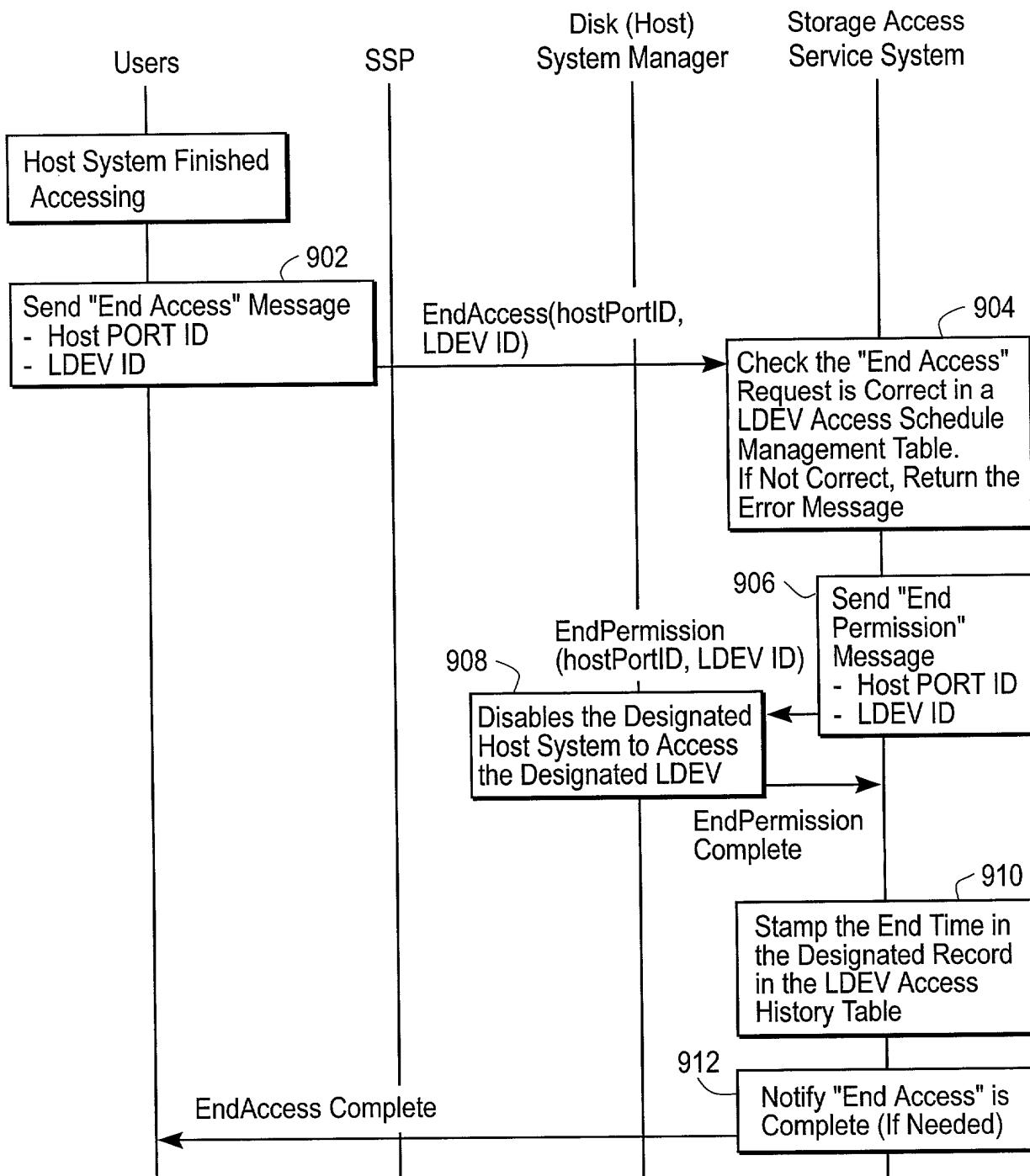
"End Service" Procedure

FIG. 7



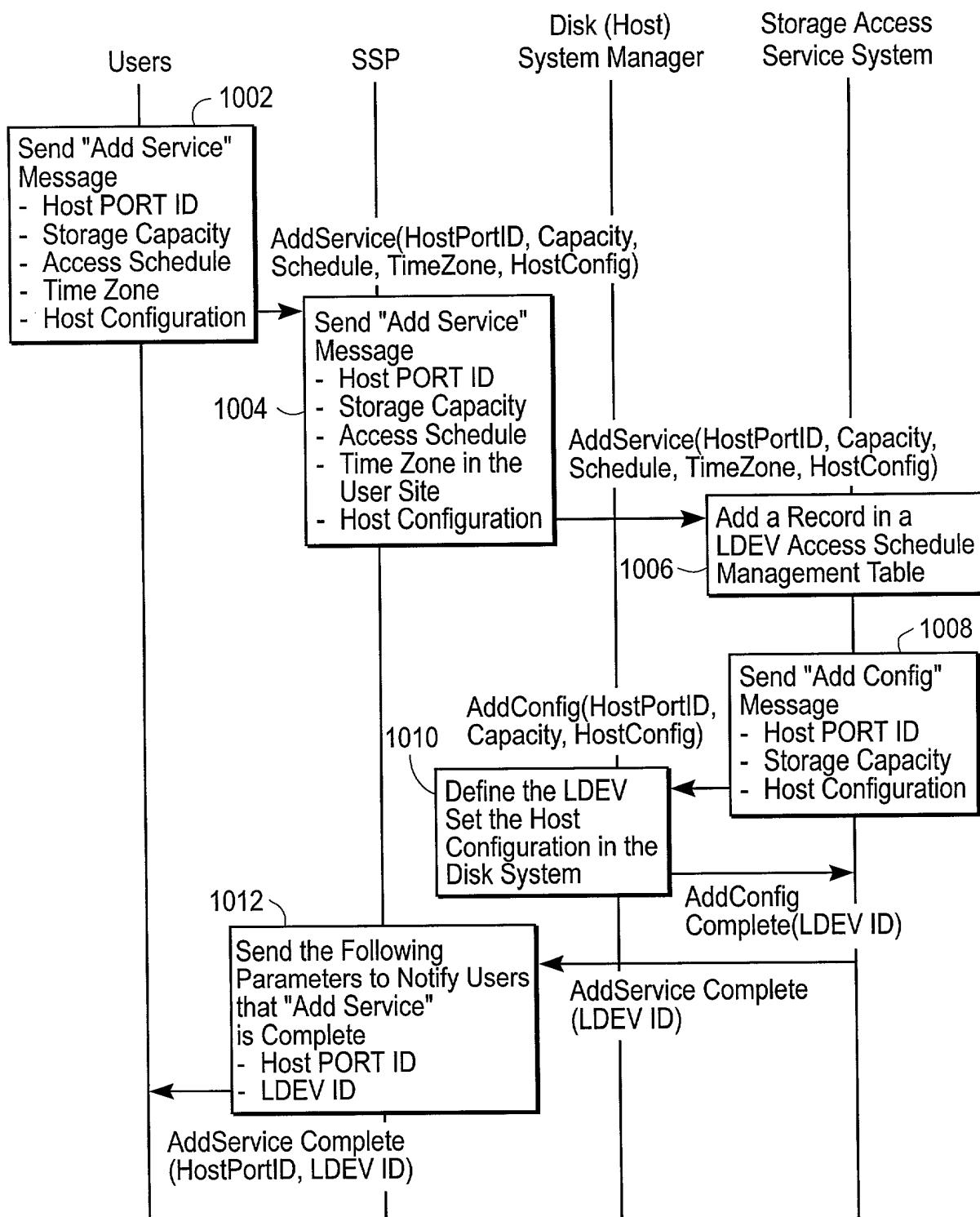
"Start Access" Procedure

FIG. 8



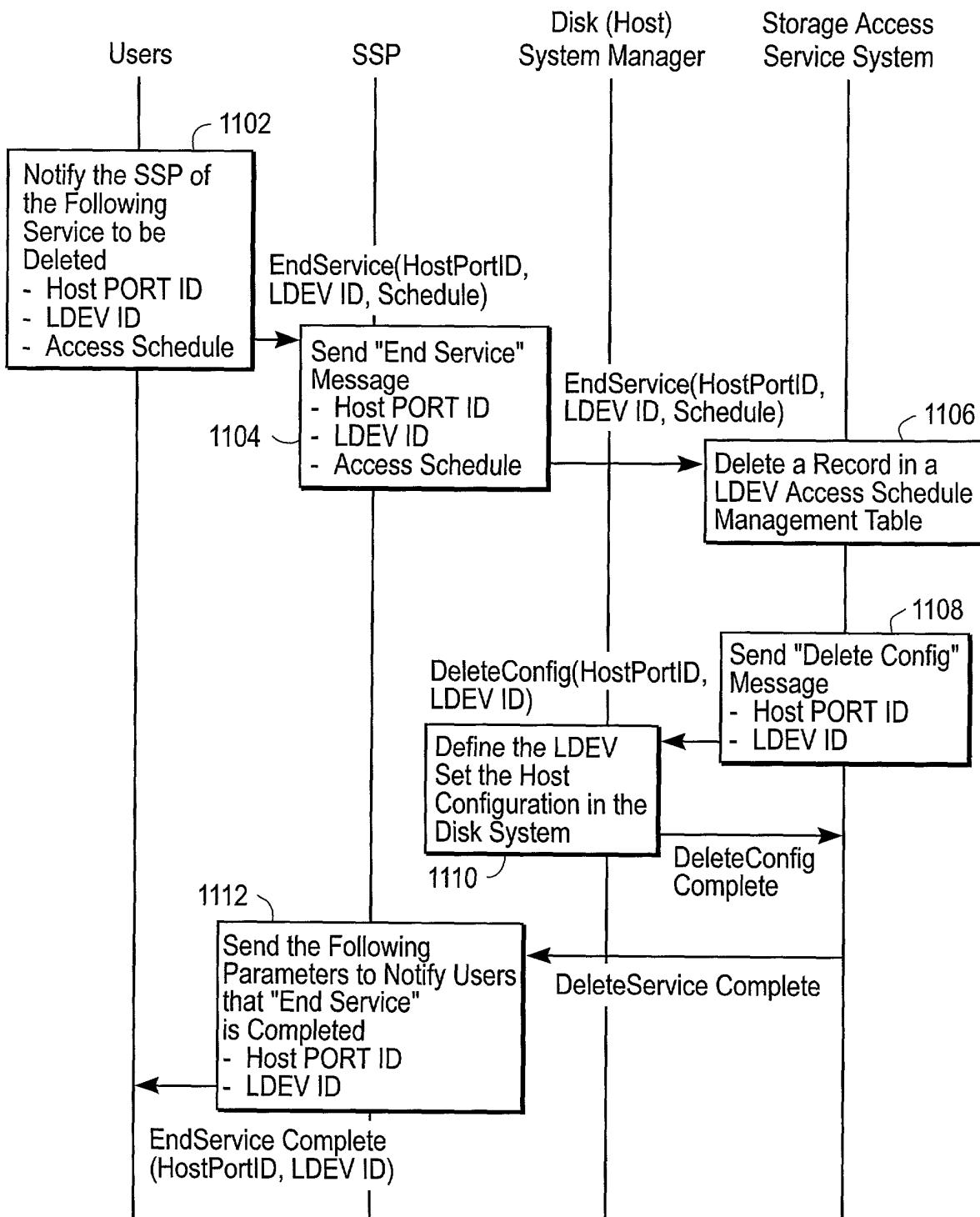
"End Access" Procedure

FIG. 9



"Add Service" Procedure

FIG. 10



"Delete Service" Procedure

FIG. 11

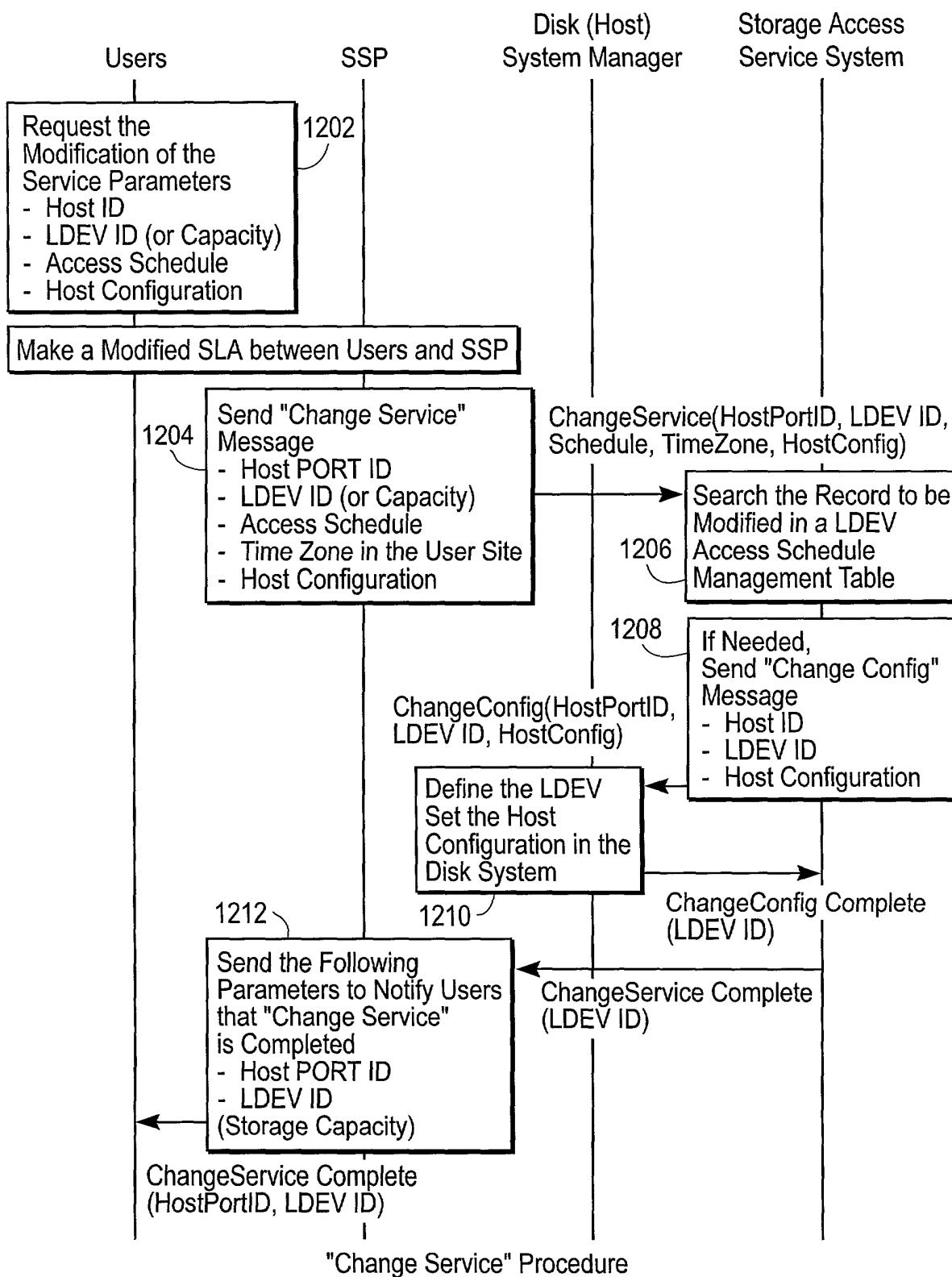
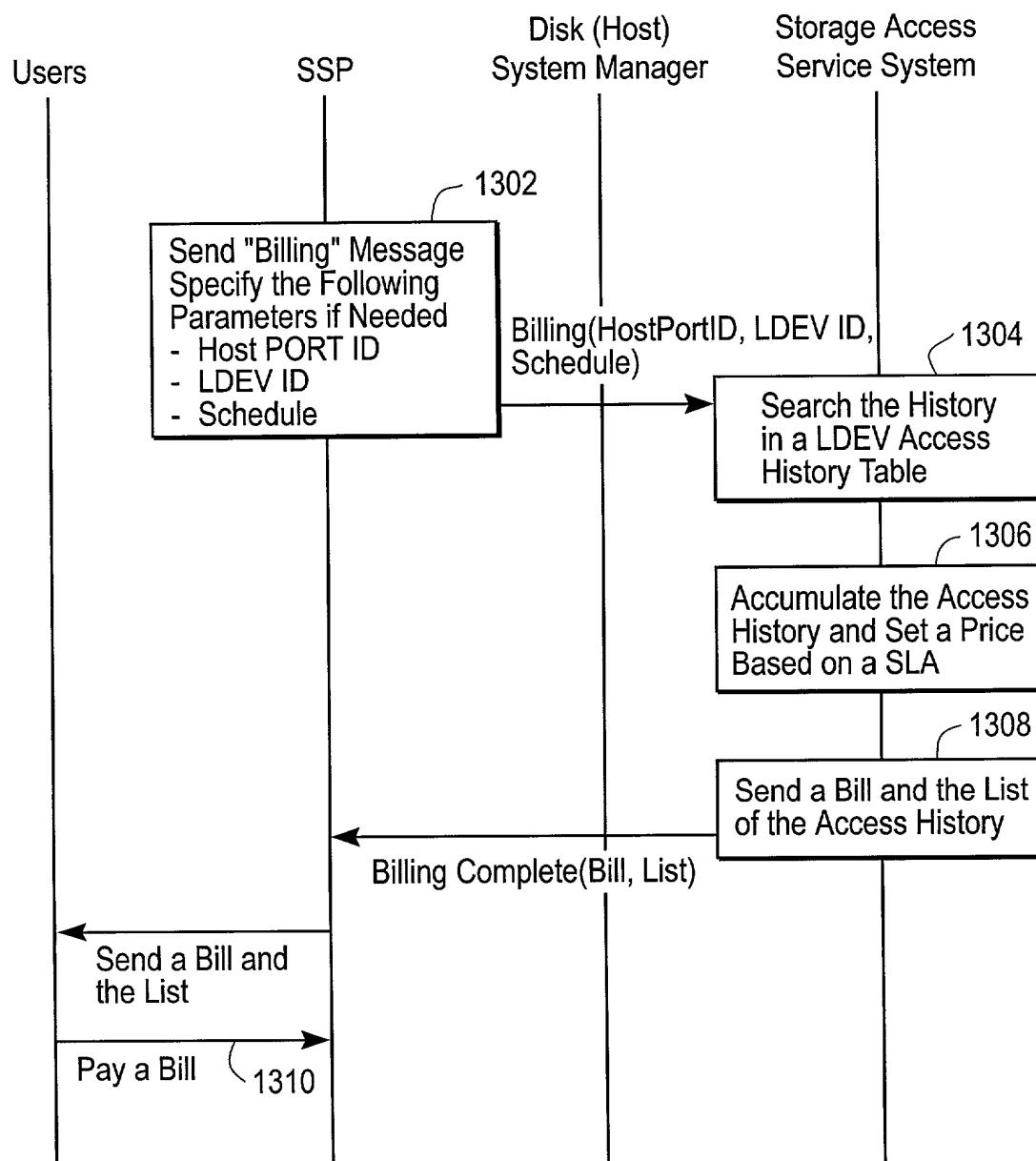


FIG. 12



"Billing" Procedure

FIG. 13

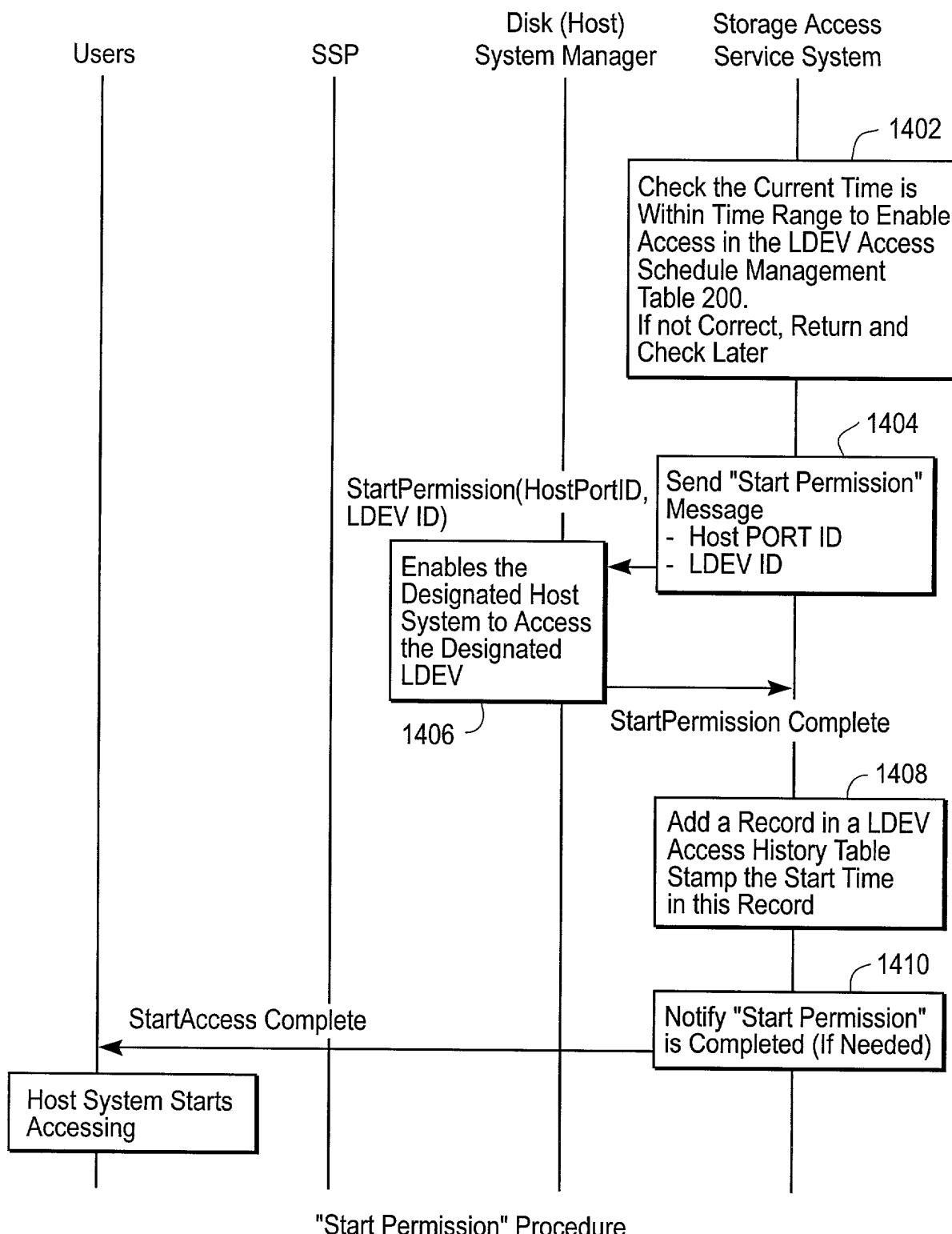
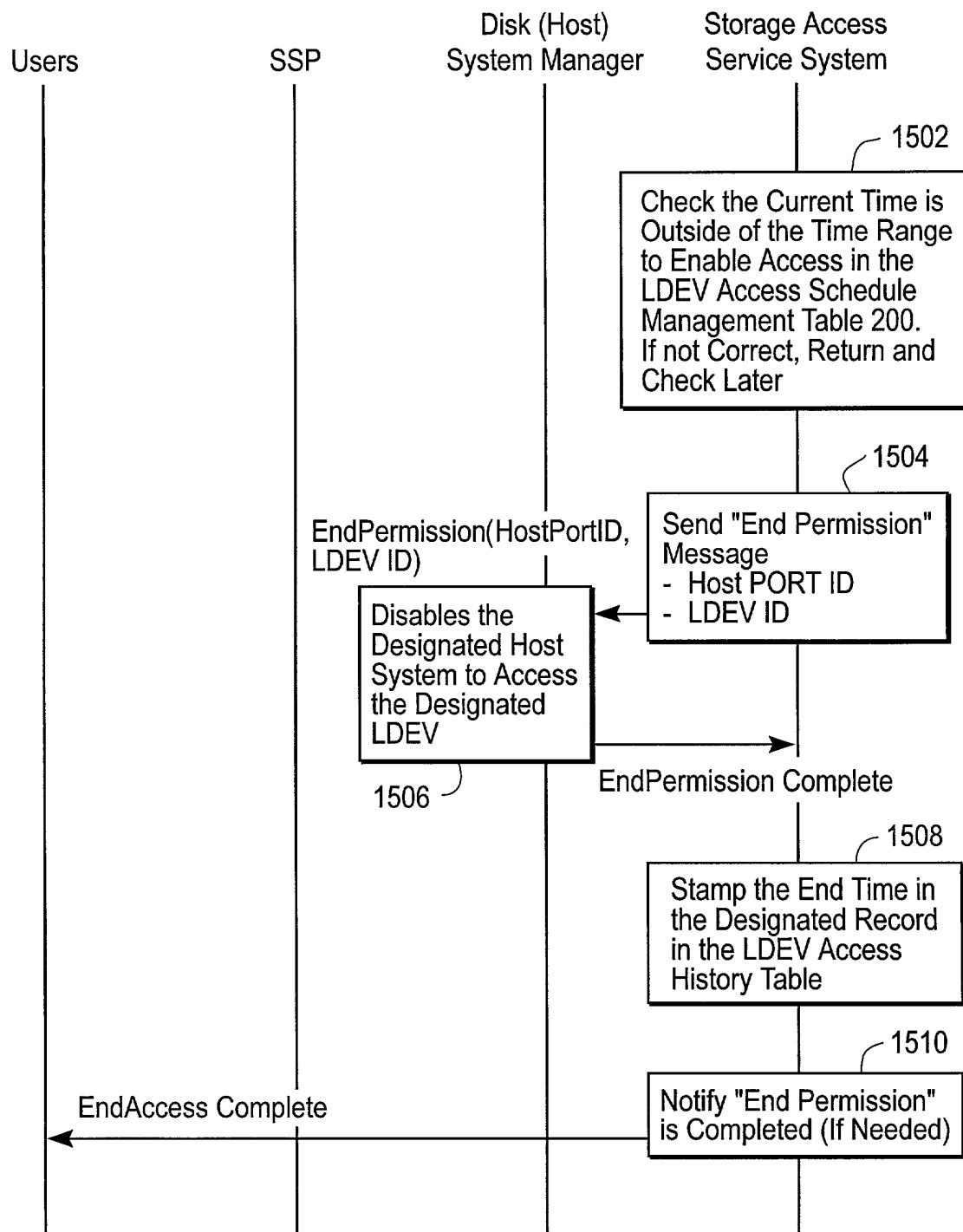
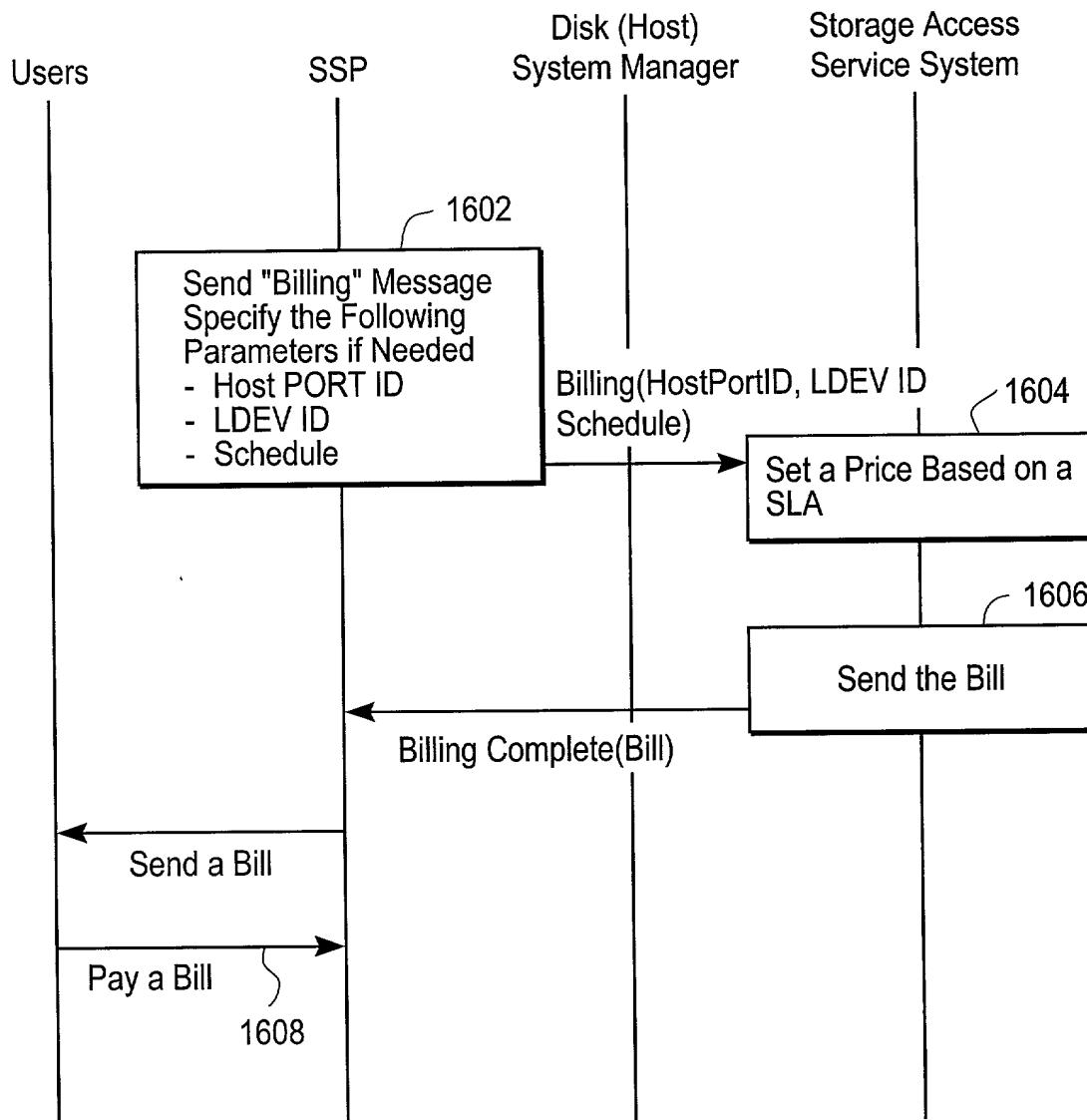


FIG. 14



"End Permission" Procedure

FIG. 15



"Fixed Billing" Procedure

FIG. 16